

<b>DECLARATION</b> (Original, Design, National Stage of PCT or CIP Application)	<b>ATTORNEY'S DOCKET NO.</b> 34169
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As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METAL OXIDE-CONTAINING DISPERSION AND METHOD OF PREPARING THE SAME**

the specification of which: (complete (a), (b) or (c) for type of application)

**REGULAR OR DESIGN APPLICATION**

- (a) ☒ is attached hereto.  
 (b) ☐ was filed on \_\_\_\_\_  
 as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

**PCT FILED APPLICATION ENTERING NATIONAL PHASE**

- (c) ☐ was described and claimed in International Application No. \_\_\_\_\_ filed \_\_\_\_\_ and as amended on \_\_\_\_\_ (if any).

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:  
 (complete (d) or (e))

- (d) ☒ no such applications have been filed.  
 (e) ☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS PRIOR TO SAID APPLICATION				
Country	Application No.	Date of Filing	Date of Issue	Priority Claimed
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS PRIOR TO SAID APPLICATION				

**PROVISIONAL**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States application(s) listed below:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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**CONTINUATION-IN-PART**

(Complete This Part Only If This Is A Continuation-In-Part Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a), which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor		THOMAS K. ALLEN
Inventor's Signature		
Date	Country of Citizenship US	
Residence	1704 Mulligan Place, Manhattan, KS 66502	
Post Office Address	1704 Mulligan Place, Manhattan, KS 66502	
Full name of second joint inventor, if any		BRET LANZ
Inventor's Signature		
Date	Country of Citizenship US	
Residence	Rt. 3 Box 251, Manhattan, KS 66505	
Post Office Address	Rt. 3 Box 251, Manhattan, KS 66505	
Full name of third joint inventor, if any		JUSTIN D. COULTER
Inventor's Signature		
Date	Country of Citizenship US	
Residence	418 Poyntz Ave, Apt 308, Manhattan, KS 66502	
Post Office Address	418 Poyntz Ave, Apt 308, Manhattan, KS 66502	
Full name of fourth inventor, if any		
Inventor's Signature		
Date	Country of Citizenship	
Residence		
Post Office Address		

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Application of: )  
 )  
ALLEN, TOM K. ) Examiner:  
 )  
Serial No.: ) Group Art Unit  
 )  
Filed: )  
 )  
METAL OXIDE-CONTAINING DISPERSION )  
AND METHOD OF PREPARING THE SAME )

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Assistant Commissioner for Patents  
Alexandria, VA 22313

Dear Sir:

POWER OF ATTORNEY

The Owner (hereinafter "Assignee") of the entire right, title, and interest in the above-referenced application is NANOSCALE MATERIALS, INC., 1310 Research Park Drive, Manhattan, KS 66502. The undersigned, THOMAS K. ALLEN, and has the authority to sign on behalf of Assignee.

An assignment of the above-referenced application from the inventors, THOMAS K. ALLEN; BRET LANZ; and JUSTIN D. COULTER to Assignee is attached hereto.

Assignee hereby appoints the following individuals as its attorneys for the purpose of receiving all future correspondence in connection with said patent application and transacting all business in the United States Patent and Trademark Office with respect to said patent application:

Robert D. Hovey	19,228	Tracey S. Truitt	43,205
Warren N. Williams	19,156	David V. Ayres	46,529
Stephen D. Timmons	26,513	Kameron D. Kelly	44,181
John M. Collins	26,262	Gerhard Shipley	45,682
Thomas H. Van Hoozer	32,761	Gregory J. Skoch	48,267
Thomas B. Luebbering	37,874	Jennifer C. Bailey	P52,583
Andrew G. Colombo	40,565	David L. Terrell	50,576
Scott R. Brown	40,535	Jason E. Gorden	46,734

Tracy L. Bornman

42,347

William J. Jacob

51,173

Send correspondence to Hovey Williams LLP, 2405 Grand Blvd., Suite 400, Kansas City, Missouri 64108; and direct telephone calls to (816) 474-9050.

NANOSCALE MATERIALS, INC.

By: \_\_\_\_\_  
THOMAS K. ALLEN

\_\_\_\_\_  
DATE

(DOCKET NO. 34169)

## ASSIGNMENT

WHEREAS, We, THOMAS K. ALLEN, of 1704 Mulligan Place, Manhattan, KS 66502; BRET LANZ, of Rt. 3 Box 251, Manhattan, KS 66505; and JUSTIN D. COULTER, of 418 POYNTZ Avenue Apt. 308, Manhattan, KS 66502, have invented certain new and useful improvements in

### METAL OXIDE-CONTAINING DISPERSION AND METHOD OF PREPARING THE SAME

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, NANOSCALE MATERIALS, INC., a Corporation duly organized under the laws of the State of KANSAS, and having its principal place of business at 1310 Research Park Drive, Manhattan, KS 65502, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, THOMAS K. ALLEN; BRET LANZ; and JUSTIN D. COULTER, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said , the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in the specification prepared, and executed by me on even date herewith preparatory to obtaining Letters Patent of the United States therefor;
- (b) said application;
- (c) any and all refilings, divisions, and continuations of said application;
- (d) any and all Letters Patent of the United States of America which may issue from said application, refilings, division and continuations;

- (e) any and all reissues of said Letters Patent of the United States of America;
  - (f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
  - (g) any and all refilings, divisions and continuations of said foreign-filed applications;
  - (h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations;
- and
- (i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
THOMAS K. ALLEN

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared THOMAS K. ALLEN, to me known to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
BRET LANZ

STATE OF                    )  
                                  ) SS.  
COUNTY OF                )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared BRET LANZ, to me known to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
JUSTIN D. COULTER

STATE OF                    )  
                                  ) SS.  
COUNTY OF                )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared JUSTIN D. COULTER, to me known to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My Commission Expires:

\_\_\_\_\_